2014 - 2019 CAPITAL IMPROVEMENTS PROGRAM



DELTA CHARTER TOWNSHIP PLANNING COMMISSION

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DELTA TOWNSHIP PLANNING DIVISION STAFF

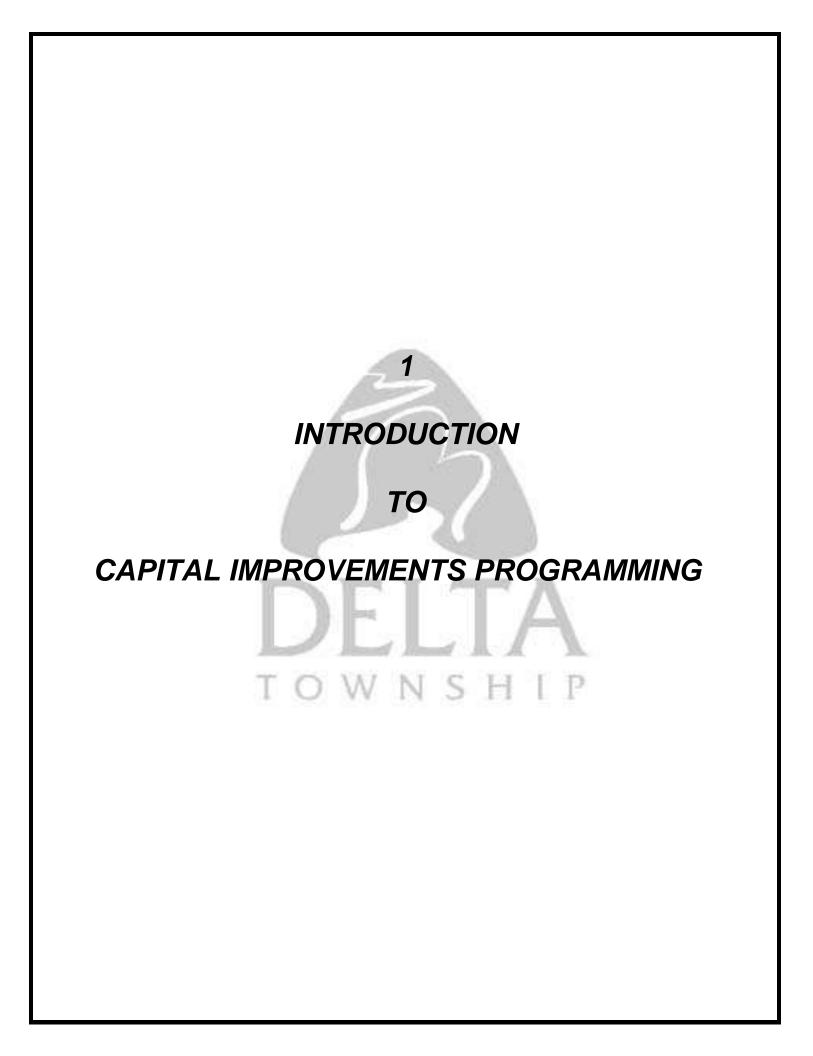
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TABLE OF CONTENTS

CHAPTER 1	INTRODUCTION TO CAPITAL IMPROVEMENTS PROGRAMMING	
INTRODUCT	TON	1
WHAT ARE (CAPITAL IMPROVEMENTS?	1
WHAT ARE	THE GENERAL CHARACTERISTICS OF CAPITAL IMPROVEMENTS?	1
WHAT IS CA	PITAL IMPROVEMENTS PROGRAMMING?	2
WHY DO WE	USE A SIX YEAR PROGRAMMING PERIOD?	2
WHY DO WE	UPDATE THE PROGRAM ANNUALLY?	2
WHAT ARE	THE BENEFITS OF CAPITAL IMPROVEMENTS PROGRAMMING?	2
CHAPTER 2	<u>DELTA TOWNSHIP'S CAPITAL IMPROVEMENTS PROGRAMMIN PROCESS</u>	<u>G</u>
_	HE LEGAL BASIS FOR CAPITAL IMPROVEMENTS PROGRAMMING I	
A SUMMARY	OF DELTA TOWNSHIP'S CIP PROCESS	4
PREPARATI	ON AND ADOPTION OF 2014 - 2019 CIP	5
CHAPTER 3	WHERE DOES THE MONEY COME FROM & WHERE DOES IT GO?	
WHERE YOU	JR TAX DOLLARS GO	6
DELTA TOW	NSHIP'S THREE OPERATIONAL FUNDS	7
GENERAL F	UND REVENUES & EXPENDITURES	7
SANITARY S	SEWER FUND REVENUES & EXPENDITURES	9
WATER FUN	ID REVENUES & EXPENDITURES	9
STATUS OF	CIP PROJECTS RECOMMENDED FOR FUNDING IN 2013 1	0

CHAPTER 4	2014-2019 GENERAL FUND PROJECT RANKINGS & DES	<u>CRIPTIONS</u>
INTRODU	ICTION	15
	9 CAPITAL IMPROVEMENTS PROGRAM POLICY ECOMMENDATIONS	16
ALTERNA	ATIVE FUNDING SOURCES	18
2014 - 20	19 GENERAL FUND PROJECT PRIORITIES (TABLE 4-1)	19
2014 GEN	NERAL FUND PROJECT PRIORITIES & DESCRIPTIONS	20
2015 – 20	19 GENERAL FUND PROJECT DESCRIPTIONS	25
CHAPTER 5	2014-2019 SANITARY SEWER FUND PROJECTS & DESC	RIPTIONS
INTRODU	ICTION	26
2014 - 20	19 SANITARY SEWER FUND PROJECTS (TABLE 5-1)	27
2014 – 20	19 SANITARY SEWER FUND PROJECT DESCRIPTIONS	28
FUTURE	SANITARY SEWER FUND PROJECT DESCRIPTIONS	29
CHAPTER 6	2014 -2019 WATER FUND PROJECTS & DESCRIPTIONS	
INTRODU	ICTION	30
2014 - 20	19 WATER FUND PROJECTS (TABLE 6-1)	31
2014 - 20	19 WATER FUND PROJECT DESCRIPTIONS	32
FUTURE	WATER FUND PROJECT DESCRIPTIONS	33
CHAPTER 7	DELTA TOWNSHIP CAPITAL PROJECTS FUND	
DELTA TO	OWNSHIP CAPITAL PROJECTS FUND	35
<u>APPENDIX</u>	<u>2014 – 2019 CIP PROJECT REQUEST SHEETS</u> <u>Sidewalk Repair Zones Map</u> <u>Township Parks Map</u>	



INTRODUCTION

It's evident that Delta Township doesn't have enough money at one time to pay for all of the things we would like to do. The Township is faced with the challenge of trying to meet the needs of its residents for public services and facilities in the midst of relatively fixed or decreasing revenues and the increasing costs of providing the needed public services and facilities. This means that the Township must have some method of setting project priorities and tackling first things first. The Township also needs a way to insure that its money is being spent wisely and efficiently. The capital improvements program helps the Township accomplish this goal.

WHAT ARE CAPITAL IMPROVEMENTS?

"Capital Improvements" are public improvements. They are projects involving the expenditure of public funds, over and above annual operating expenses, for the purchase, construction, or replacement of the physical facilities of a community. Examples include:

- --- Township Hall
- --- Police & Fire Stations
- --- Library
- --- Parks
- --- Roads
- --- Water & Sanitary Sewer Lines
- --- Water & Sewage Treatment Plants

WHAT ARE THE GENERAL CHARACTERISTICS OF CAPITAL IMPROVEMENTS?

- --- They are large in size.
- --- They have a big price tag.
- --- They have long term usefulness and permanence (10-30 years).
- --- They involve expenditures of a non-recurring nature (i.e., Once it's paid for that's it! The maintenance of the facility once in place becomes part the annual operating budget).
- --- They usually provide a governmental facility for public service.
- --- They add substantially to the value of the municipality's fixed assets.

Although most capital improvements share these common characteristics, the actual types of projects included in the CIP may vary from community to community. A capital improvement project for the purposes of Delta Township's capital improvements program is a major nonrecurring expenditure that includes one or more of the following:

- 1. Any acquisition of land for a public purpose.
- 2. Any construction of a new facility (e.g., a public building, water or sewer lines, a playfield, or an addition to, or an extension of, such a facility)
- 3. A nonrecurring rehabilitation (i.e., something which is infrequent and would not be considered annual or other recurrent maintenance) or major repair of all or part of a

building, its grounds, or other facility, provided that the cost is \$25,000 or more and the improvement will have a useful life of ten years or more.

- 4. The purchase of major equipment (e.g., a fire truck), provided that the cost is \$25,000 or more, which has a useful life of five years or more.
- 5. Any planning, feasibility, engineering, or design study related to an individual capital improvement project or to a program that is implemented through individual capital improvement projects (e.g., The Delta Township Non-Motorized Transportation Plan).

Requests for funding projects that do not meet the criteria for inclusion in the capital improvements program are submitted as part of the Township's annual operational budget.

WHAT IS CAPITAL IMPROVEMENTS PROGRAMMING?

Now that we know what capital improvements are --- what is capital improvements programming? It is the preparation and updating of a proposed schedule of public works projects and related equipment to be built or purchased by local governments within a 6 year period. It covers the entire range of public facility and service requirements. The program lists all future projects in order of construction or acquisition priority, along with cost estimates and the anticipated means of financing each project.

The first year of scheduled projects is referred to as the "capital budget" and includes those projects scheduled to be funded in the upcoming fiscal year. These projects will actually be considered for inclusion in the Township's legally adopted budget. The succeeding years' schedule of projects makes up the "program".

WHY DO WE USE A SIX YEAR PROGRAMMING PERIOD?

A 6 year period is considered to be most suitable. 2 or 3 years is too little time for effective programming because planning and financing of major facilities usually takes longer. A period of 7 years or more may project the program too far into the future to be of practical value.

WHY DO WE UPDATE THE PROGRAM ANNUALLY?

The CIP is updated annually in order to fine tune the capital budget to reflect changing economic conditions. The Township wants to have the most accurate project costs included in the budget for the upcoming fiscal year. The program is also adjusted to reflect the need for additional projects and set different priorities if necessary.

WHAT ARE THE BENEFITS OF CAPITAL IMPROVEMENTS PROGRAMMING?

Focusing Attention on Community Goals, Needs, and Capabilities. This involves bringing projects in line with community objectives, anticipated growth, and financial capabilities. This is the type of information contained in the Township's Comprehensive Plan. The CIP is a tool for implementing the goals, policies, and objectives set forth in the plan.

Achieving Optimum Use of the Taxpayer's Dollar. Advance programming can help avoid costly mistakes. The program also aids the Township Board in making sound annual budget decisions. A listing of anticipated projects may encourage the purchase of land well in advance of construction at a lower present cost rather than higher future costs.

Serving Wider Community Interests. Projects within the CIP are prioritized on the basis of the greatest benefit to the greatest number of Township residents.

Encouraging a More Efficient Governmental Administration. Coordination of capital improvements programming by township, county, and state agencies can reduce scheduling problems and conflicting or overlapping projects. For example, utilizing a CIP avoids paving a street one year and tearing it up the next to install a sewer.

Improving Intergovernmental and Regional Cooperation. It may be possible to share needed facilities between local units of governments or between the municipality and a school district. Examples would be water and sewer plants or classroom space for recreation programs.

Maintaining a Sound and Stable Financial Program. When there is ample time for planning, the most economical means of financing each project can be selected in advance. Keeping projects within the financial capacity of the community helps to preserve its credit rating and makes the area more attractive to business and industry.

Enhancing Opportunities for Participation in Federal and State Grant Programs. Most grant applications require the need for the program to be well documented with a clear statement of goals and objectives. This documentation has already been developed in the CIP.

*The Contents of This Chapter Were Adapted From:

Capital Improvements Programming in Local Government by HUD, Second Printing, 1970, published by USGPO, Washington, D.C. 20402 and Capital Improvements Programs: Linking Budgeting and Planning by Robert A. Bowyer, Planning Advisory Service Report No. 442, 1993, published by the American Planning Association, 1313 E. 60th Street, Chicago, Illinois 60637.

2 **DELTA TOWNSHIP'S** CAPITAL IMPROVEMENTS PROGRAMMING **PROCESS** TOWNSHIP

WHAT IS THE LEGAL BASIS FOR CAPITAL IMPROVEMENTS PROGRAMMING IN DELTA TOWNSHIP?

The Michigan Planning Enabling Act, 2008, PA 33 (MCL 125.3801 *et. seq.*), which become effective on September 1, 2008, mandates that the Planning Commission annually prepare a program of public improvements for the ensuing 6 years as follows:

"To further the desirable future development of the local unit of government under the master plan, a planning commission, after the adoption of a master plan, shall annually prepare a capital improvements program of public structures and improvements. The capital improvements program shall show those public structures and improvements, in the general order of their priority that in the commission's judgment will be needed or desirable and can be undertaken within the 6-year period. The capital improvements program shall be based upon the requirements of the local unit of government for all types of public structures and improvements. Consequently, agency or department of the local unit of government with authority for public structures or improvements shall upon request furnish the commission with lists, plans and estimates of time and cost of those public structures and improvements. [§ 61.(1)]

Thus, the Delta Township Planning Commission has the primary responsibility of preparing the Township's Capital Improvements Program.

The Planning Commission annually appoints a Capital Improvements Program Committee and charges this committee with the responsibility of preparing the actual CIP document. Once prepared, the document is reviewed and approved by the full Commission at a public hearing. The CIP Committee is typically composed of three members from the Planning Commission, a representative from the Township Manager's Office, a Township Department Head, and a Planning Department staff person. The Township Manager's representative provides information on the status of ongoing projects within the current year, along with information on the Township's current and expected financial status. The Planning Department staff person is responsible for the compilation of project requests and the preparation of the actual CIP document.

A SUMMARY OF DELTA TOWNSHIP'S CIP PROCESS

The process of preparing the Delta Township's Capital Improvements Program begins early in the year and continues into early August when the CIP document is submitted to the Township Manager for use in preparing the Township' annual budget. The Township's CIP process is as follows:

March

A memo is sent by the planning staff on behalf of the CIP Committee to all department heads requesting the submission of projects for inclusion in the CIP. Projects are generally required to be submitted within one month of the CIP Committee's request. Standardized project status sheets, and project request forms are utilized. Information

generally provided on the project requests forms includes a description of the project, the requested funding level, the years for funding and implementation, and the departmental priority of the project.

April - May

Staff compiles the information received from the department heads for presentation. The projects are grouped according to their respective funds, i.e., general fund, water fund, sewer fund. The information packet presented to the CIP Committee also contains a list of the previous year's projects which have been funded or deleted and charts summarizing all project requests within their respective funds.

June - July

CIP Committee meetings are held, at which projects are reviewed, department heads are interviewed, and project priorities are determined.

August - Sept.

The Planning Division completes the CIP document and transmits it to the Planning Commission for review and approval at a public hearing. Following the hearing, the CIP document is delivered in its final form to the Township Board and Township Manager for use in formulating the Township budget.

PREPARATION AND ADOPTION OF 2014 - 2019 CIP

The preparation of the 2014 - 2019 Capital Improvements Program followed the process as described above, and it was adopted by the Delta Township Planning Commission following a public hearing on August 26, 2013.

WHERE DOES THE MONEY COME FROM?

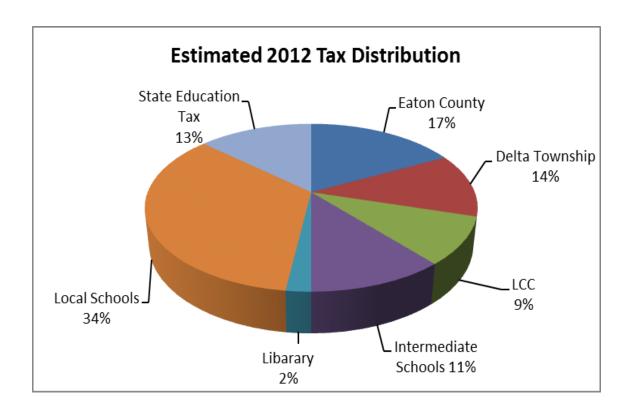
&
WHERE IT DOES IT GO?

WHERE YOUR TAX DOLLARS GO

One of the most frequently asked question is "Where does all of the tax money go that I pay to Delta Township every year?" The chart below illustrates a general estimate of the distribution of taxes that were collected for 2012.

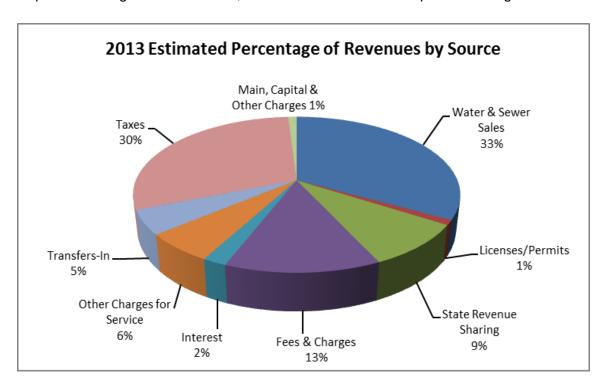
Delta Township serves as the collecting agent for tax monies for educational purposes as well as County and Township services. The local school portion goes to the appropriate school district, being the Lansing, Holt, Waverly or Grand Ledge districts. The intermediate school portion provides funding to the Eaton or Ingham Intermediate school districts which provide such services as special education, vocational education, and career centers.

The Delta Township portion funds those services which the Township provides its residents. These include police and fire protection as well as administrative services. Funding for paramedic services is provided by a voter approved tax levy which was initiated at 2 mill in 1979 and renewed in 1984. In November of 1988 the voters approved a one mill ten year tax levy for paramedic services that began in 1989. The one mill paramedic services levy was renewed for another ten years on August 4, 1998, and it was renewed once again for ten years on August 5, 2008. Taxes that are paid to Eaton County are used to fund County services such as road and storm drain maintenance and repair.



DELTA TOWNSHIP'S THREE OPERATIONAL FUNDS

Delta Township has three operational funds which finance the services provided to Township residents. These three funds are the General Fund, the Sanitary Sewer Fund, and the Water Fund. Each of these is a separate autonomous entity. The General Fund receives most of its revenues from property taxes, state shared revenues, and fees for general public services. Revenues to the Sanitary Sewer Fund and the Water Fund are derived from customer billings, new customer connection fees, and special assessments. A brief description of the revenues and expenditures that typically occur in each of the three funds is presented below. The following pie chart illustrates each principal source of revenue to all of the Township's operational funds as a percentage of the total revenues expected to be generated in 2013, as indicated in the Township's 2013 budget document.



GENERAL FUND REVENUES & EXPENDITURES

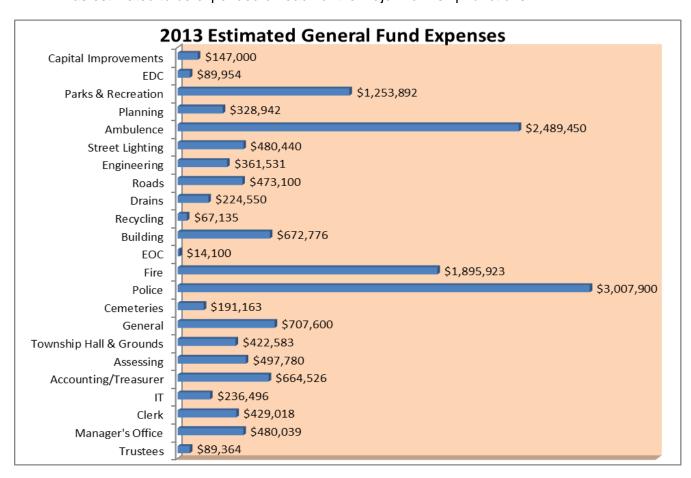
The General Fund provides support for nearly all of the basic public services of the Township. Over twenty services and numerous miscellaneous activities operate from revenues accruing to the General Fund.

Property tax revenues are determined by the taxable value of real property (land & buildings) and personal property (machinery, equipment, etc.) multiplied by the millage rate levied each year by the Delta Township Board for General Fund operations. Property tax revenues received in 2013 were generated by a millage rate of 4.9287. A mill represents \$1.00 for each \$1,000 of property valuation. For 2014 revenues, it is expected that the millage rate

will again be set at 4.9287. A millage rate set by the Township Board in 2013 will produce revenues for operations in 2014.

It should be noted that in addition to the 4.9287 mills mentioned above, there are additional tax levies of 0.9896 mills for paramedic services and 1mill for the Delta Township District Library. These are separate levies that were approved by the Township's voters. These voter approved levies will result in an anticipated total millage rate set in 2013 (for 2014 property tax revenues) of 6.9183.

The General Fund provides for the operation of the various departments providing public services to Township residents. Additional funding is provided for the maintenance of the Township's buildings and grounds, certain street and drain expenses, and a variety of other miscellaneous activities. The following bar chart depicts the 2013 General Fund money that was estimated to be expended on each of the major Township functions.



It should be noted that on June 19, 1989 the Township Board adopted a policy of allocating at least 10% of the General Fund operating budget to be available to fund capital expenditures each year. Along with the General Fund Projects listed herein, this 10% figure also encompasses allocations to the vehicle and equipment reserve funds and other minor capital expenditures. The Township Board will endeavor to adhere to this policy.

SANITARY SEWER FUND REVENUES & EXPENDITURES

The principal revenue sources for the Sanitary Sewer Fund are from sales, which represent receipts from monthly billings to sanitary sewer customers; capital charges, which are a one time only purchase of equity representing capital investments paid for by all new customers; interest income, which is gained from short-term investment of available cash at local financial institutions; and main charges are paid by those property owners outside of special assessment districts for the cost of installing sanitary sewers in front of their properties.

Sanitary Sewer Fund expenditures result from the support of all waste water collection and treatment operations within the Township. This includes the personnel necessary to operate the Wastewater Treatment Plant; the maintenance of collector sewers, lift stations, and treatment plant, and a variety of other service functions provided to the Township's sewer customers. Capital improvements to the existing sanitary sewer related facilities are also financed via the Sanitary Sewer Fund.

WATER FUND REVENUES & EXPENDITURES

The principal revenues for the Water Fund are from water sales, which are monthly payments made by customers of the system for water consumed, service installation fees for physical connection of new customers to the system, capital charges which are for the purchase of equity, and interest received from short-term investment of cash with local financial institutions.

Water Fund expenditures arise out of the construction and maintenance of the Township's water distribution system. This includes personnel, equipment, maintenance, construction, and repair of water mains and water storage tanks.

STATUS OF CIP PROJECTS RECOMMENDED FOR FUNDING IN 2013

The foregoing is the status of the ranked projects recommended for funding in 2013 by the CIP Committee as they appear in the Township's 2013 budget document, which is prepared by the Township Manager's Office.

2013 General Fund Projects

Road Maintenance & Construction Reserve Fund (Priority A)

CIP Request: \$311,000 Board Approved: \$473,100*

In 1979 the Township established the Road Maintenance/Construction Reserve Fund. The primary purpose of these reserve monies is to provide local matching funds to federal monies for new road construction as well as to supplement monies spent by the Eaton County Road Commission to repair and maintain Delta Township streets. The specific road improvement projects which will be paid for out of this reserve fund are described in a document entitled the "Delta Charter Township Road Improvement Program".

The CIP Committee does not establish which road projects should receive funds in any particular year. This is the function of the Township Board in conjunction with the applicable County, Regional, State, and Federal road agencies. Since major road projects involve federal funding, there is a degree of uncertainty as to the likelihood of a particular project being funded in a particular year. Funds must be on hand in the reserve fund in order to be ready to match federal funds when they become available for a specific project.

(*Note: This amount appears under the Roads Activity line item in the 2013 Budget. It not only includes monies for roads, but also for sidewalks/non-motorized transportation projects as follows: \$167,000 for St. Joe Highway Improvements, \$50,000 for sidewalk repairs,\$50,000 for new sidewalk construction, \$75,000 for the East-West Pathway extension, \$120,000 for road resurfacing & repairs, and \$10,500 for dust control on gravel roads.)

Storm Drain Maintenance/Construction Reserve Fund (Priority A)

CIP Request: \$200,000 Board Approved: \$224,550

Many storm drainage districts within Delta Township are in need of reconstruction, improvement or expansion. Development of storm drainage facilities is an expensive process due to land acquisition costs, large pipe sizes, extensive excavation work, and disruption of existing roads and utilities. As growth continues within the Township the need for storm drain improvements will intensify. The allocations to the reserve fund are used to meet the Township's share of future drain construction and maintenance projects, as required by the Eaton County Drain Commissioner's Office.

Major Fire Apparatus Reserve Fund (Priority A)

CIP Request: \$100,000 Board Approved: \$89,000

Vehicles and equipment utilized by the Fire Department are very expensive and often have a very long useful life. Major fire apparatus meets the definition of a capital improvement described in Chapter 1. The Fire Apparatus Reserve Fund is an element of the Township's Capital Projects Fund (formerly the Township Improvement Revolving Fund or TIRF) and it is built-up and drawn upon as needed to replace needed vehicles and equipment. The 2013 Budget shows an allocation to the Fire reserve fund of \$89,000.

Non-Motorized Transportation System (Priority A)

CIP Request: \$ 100,000 Board Approved: (See Roads Above)*

This project involves the implementation of the Township's Non-Motorized Transportation Plan, which calls for the creation of a comprehensive trail system which includes bike paths, sidewalks, hiking trails, and jogging trails to and from neighborhoods, schools, parks, and commercial corridors. An expert non-motorized transportation consultant was retained in 2003 to develop the plan, and the Plan was adopted by the Township Board in 2005. The plan is now an element of the 2013 Comprehensive Plan which was adopted in January of 2013.

(*Note: A specific funding level does not appear in the 2013 Budget. Non-motorized transportation activities are funded out of the "Roads Activity" line item.)

Sidewalk Construction & Maintenance Reserve Fund (Priority A)

CIP Request: \$75,000 Board Approved: (See Roads Above)*

The Sidewalk Construction Reserves are intended to be utilized for the construction and maintenance of sidewalks in those areas where the demand for pedestrian transportation access is greatest.

(*Note: This item is appears under the "Roads Activity" line item in the 2013 Budget.)

ADA Compliant Sidewalk Ramps Construction & Maintenance Reserve Fund (Priority A)

CIP Request: \$50,000 Board Approved: \$ 0 This program would involve the reconstruction/repair of the ±300 sidewalk ramps in Zone 1 of the Townships sidewalk repair area. The Americans with Disabilities Act requires that substandard conditions within municipalities be brought into compliance within a reasonable timeframe and develop a plan to do so. This is a proposed three-year program for Zone 1

<u>Upgrade Detention Basins</u> (Priority A)

CIP Request: \$ 25,000 Board Approved: \$ 0

This project involves the reconstruction of existing storm drain detention basins in order to improve storm water quality, and placing all of the basins under the jurisdiction of the Eaton County Drain Commissioner's Office for future maintenance.

Parks & Cemeteries Improvement Reserve Fund (Priority B)

CIP Request: \$ 43,000 Board Approved: \$ 33,000

The CIP Committee recommended the establishment of a reserve fund in 1994 in order to save enough money for some of the smaller but necessary parks and cemeteries improvements. The reserve fund was established by the Township Board as part of the Capital Projects Fund in the annual budget as recommended.

Resurface Tennis Courts at Delta Mills Park (Priority B)

CIP Request: \$ 22,500 Board Approved: \$ 0

The two existing tennis courts are in need in repair. This project involves the removal, replacement, re-sealing, and relining of the existing asphalt surfaces. This project could possibly be eligible for the State of Michigan's Recreation Passport Grant.

<u>Township-Wide Leaf Pick-Up Program</u> (Priority C)

CIP Request: \$ 100,000 Board Approved: \$ 0

This project involves the collection of leaves and yard waste and disposing of them in a proper manner. Stricter storm drainage regulations are being mandated by the Federal government that may make such a program necessary in order to keep storm drains free of debris..

Park Land Acquisition & Development Reserve Fund (Priority D)

CIP Request: \$ 75,000 Board Approved: \$ 0

This project involves setting aside funds for land acquisition for park purposes in the western portion of the Township, where future growth is likely to occur. Commonly accepted parks and recreation industry standards indicate that the Township is close to being deficient in acreage based on its current population. Purchasing the land now will assure that it is available for future use, and will eliminate the risk of not having suitable land available to purchase at reasonable prices.

Fire Station No. 4 Renovation/Expansion

CIP Request: \$175,000 Board Approved: \$ 0

This project involves the renovation & expansion of Fire Station No. 4, located on Old Lansing Road in the Millett area of the Township, to house new & larger apparatus and to provide 24/7 operations. The renovation would include the addition of one apparatus bay, extending the bay length to match the living area of the station, and construction of an additional story to incorporate living quarters, which would include a kitchen, dormitory, and fitness room. This project was not resubmitted for 2014.

2013 Sanitary Sewer Fund Projects

Radio Meter Reading System

This project involves the installation of equipment that would allow water meters to be read remotely from a central location in the Township, and the eventual elimination of the need for meter reading personnel visiting each and every customer's home or business. This project was completed in 2013.

Activated Sludge Blower

The treatment process utilized at the Wastewater Treatment Plant requires to continuous operation of a 125 horsepower blower. The existing blowers were originally installed in 1985 and are nearing 30 years old. These older models were the most efficient available at the time, but up-to-date technology blowers can dramatically reduce electric consumption. Installation of the new blowers can be expected to pay for themselves within 5 years at current electric rates. Installation is expected in 2013.

2013 Water Fund Projects

Radio Meter Reading System

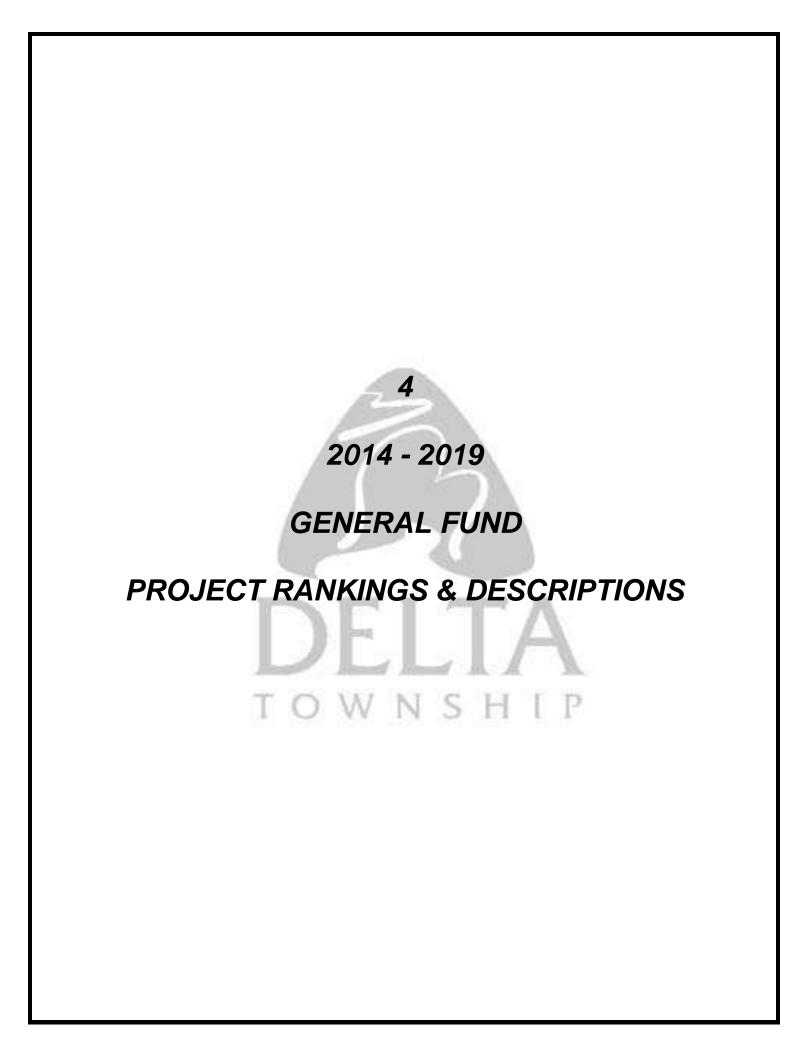
This project involves the installation of equipment that would allow water meters to be read remotely from a central location in the Township, and the eventual elimination of the need for meter reading personnel visiting each and every customer's home or business. This project was completed in 2013.

Replace Old Water Mains

As the water system infrastructure ages, the water mains at the east end of Michigan Avenue and St. Joe Highway are deteriorating because of acid soil conditions. This project involves the replacement of these deteriorating mains. Water mains in the Huntington Acres Subdivision are being replaced in 2013, as well as those in Webster Road between Willow Highway and Delta River Drive.

Generators for Water Wells

The power blackout in August 2003 revealed that the Township could be without potable water during such an incident. This left Township residents in a vulnerable position because the Lansing Board of Water & Light could not pump water to the Township during the blackout, nor could the Township operate its backup water wells. This project will install backup power at the wells to cover water production during an emergency. The projected cost is estimated to be \$50,000 in 2013.



INTRODUCTION

This chapter contains CIP General Fund project descriptions and the priority levels set for those projects slated for funding in 2014 (i.e., the Capital Budget). The priorities have been set by the Capital Improvements Program Committee and approved by the Delta Township Planning Commission.

All projects submitted for inclusion in the 2014-2019 CIP are reviewed by the CIP Committee, which sets priorities for the projects according to their economic and physical necessity, and the benefits anticipated to be gained by Township residents and personnel. The priorities are based on a classification system adapted from <u>Principles and Practice of Urban Planning</u>, published in 1968 by the International City Manager's Association (pp. 392-394), as follows:

Priority A (Urgent) Projects which cannot reasonably be postponed. These may be

needed to complete an essential or a partially finished project, or to maintain a minimum level of service in a presently established Township program. Also, any project needed to address an

emergency situation.

Priority B (Necessary) Projects which should be carried out within a few years to meet

the anticipated needs of a current Township service, or

replacement of unsatisfactory facilities.

Priority C (Desirable) Projects needed for the proper expansion of a Township service.

The exact timing of which can wait until funds are available.

Priority D (Deferrable) Projects which would be needed for ideal operation, but which

cannot yet be recommended for action. They can be postponed

without detriment to present services.

Priority NR (Non-Ranked) Projects which were not specifically recommended for funding

by the CIP Committee as requested. Typically, there may not have been enough information available to make a recommendation, the beneficiaries of the proposed project were vague, or the responsibilities for implementation of a project may actually fall under the jurisdiction of an agency or other governmental entity outside of the control of the

Township.

Projects that are given the same classification can be distinguished further by the Township Manager and the Township Board for budget purposes based on public health and safety considerations, breadth of service area, or the availability of matching funding from other sources outside of the Township. In determining appropriate project funding levels throughout the six year program period, the CIP Committee may exercise one or more of the following options:

- --- Recommend funding the project in the year and the amount requested by the Department.
- --- Recommend that the project not be funded at all.
- --- Recommend partial funding of the project in the year requested.

- --- Recommend delaying funding of the project to another year.
- --- Recommend setting aside a portion of the requested money each year to save enough to fund the project in some future year.

The project classifications serve as a guide in preparing the annual Township budget and aid the Township Board in making project funding decisions. Table 4-1 contains the 2014-2019 CIP projects and their classifications as recommended by the CIP Committee. Descriptions of each project appear following the table. Any projects receiving an NR (Non-Ranked) classification are those that the Committee did not believe fit into a specific ranking category. Funding sources may have still been in question or there may not have been enough information available to make a specific recommendation.

This chapter also contains several policy recommendations that the Capital Improvements Program Committee suggests the Township Board consider. In past years, the primary focus has been as described above, that of setting project priorities and determining funding levels for each project. For the most part, this approach has worked satisfactorily in providing for the Township's need for increased services. In the past, there have generally been sufficient funds available to meet the Township's most pressing needs. In the future, however, the Township may face situations where the annual allocations able to be made to the maintenance and construction reserve funds may not be adequate (e.g., roads and storm drains, sidewalks, etc). Other sources of funding may have to be explored and taken advantage of.

2014- 2019 CAPITAL IMPROVEMENTS PROGRAM POLICY RECOMMENDATIONS

In order to address the problems of increasing demands for services and funds, the Capital Improvements Program Committee has developed several policy recommendations that the Township Board is may wish to consider.

Ι. One of the greatest challenges the Township may face is how to keep pace with the demands placed on its roads and storm drains. Roads and storm drains within Delta Township are under the jurisdiction of Eaton County Road Commission and Eaton County Drain Commissioner, respectively. The CIP Committee recognizes the need to allocate monies to the Road and Storm Drain Maintenance and Construction Reserve Funds in order to pay for the Township's fair share of a particular project, or to provide for an upgrade of a project proposed to be constructed only to minimum standards. However, it has been the consensus of the CIP Committee that the Township should exercise care in not overly exceeding its responsibility and pay far more than its equitable share for a project. The Committee recommends that the Board lobby our County representatives and strongly encourage Eaton County to fulfill their responsibilities with regard to roads and storm drains. It is further recommended that the Township establish a matching grant program for projects in which the Township would set some limits on its participation. The Committee is aware of the argument that the County has extremely limited resources, and if Delta Township doesn't provide substantial funding for projects, they may not get implemented. Nonetheless, the Committee believes it is extremely important for the County to increase its efforts to ensure Delta Township does not pay more than its

fair share. The County should be encouraged to explore every means of funding available beyond Delta Township in order to provide the needed roads and storm drains.

- II. The Township has established the Storm Drain Maintenance and Construction Reserve Fund to set aside monies to pay for the Township's at-large share of drain projects. In general, the amount allocated each year is sufficient to cover the Township's share. The Township Engineering Division has advised that the money in the reserve fund could be utilized more efficiently if the Township took a more active role in petitioning for drain improvements. In this way the Township could determine the scope of a particular project, thus having more control of the cost of the project.
- III. The money allocated to the Road Maintenance and Construction Reserve Fund is used to pay for the resurfacing of deteriorating streets and to participate in the funding of new road construction projects with Eaton County and the State of Michigan. In the future, the annual allocation able to be made to the reserve fund may not be enough to keep pace with all the needed road improvements. The Committee recommends that Township officials explore possible methods of alternative funding that do not place additional burdens on the Township's taxpayers, or act as disincentives for development.
- IV. For the past several years the Township has been setting aside approximately \$50,000 per year for the construction and maintenance of sidewalks. The Sidewalk Ordinance generally requires developers to construct sidewalks in conjunction with new development and also provides a mechanism to assess property owners for construction of walks in existing areas that are currently without sidewalks. To date the Township has not found it necessary to utilize this mechanism. However, in tight economic times the CIP Committee recommends that, in establishing new sidewalk routes through areas of the Township that are already developed, consideration be given to assessing benefitting properties a portion of the cost of sidewalk construction.
- V. In order to keep abreast of the status of all major CIP projects, the Planning Commission requests that, at such time as it may occur, each and every time that a capital improvement project is placed on the ballot before the electorate of Delta Township, which was not a prioritized item in the Capital Improvements Program for that year or subsequent years, the Township Board refer the items to the Planning Commission for the Commission's consideration and recommendation.
- VI. Some projects involve land acquisitions, such as park land west of I-96 and trail system corridors. The CIP Committee recommends that the Township pursue the possibility of acquiring land via donations from large landowners/developers.
- VII. The CIP Committee recommends that if monies in a particular year do not permit the implementation of a project with a very large cost, this may represent an opportunity to bring some of the smaller projects forward that would have substantial benefits to the community.

VIII. Several projects involved requests for large dollar amounts in one single project year. The CIP Committee noted that some of these projects would lend themselves very well to the spreading these amounts out over several years, which is generally reflected in the CIP Committee's funding recommendations.

ALTERNATIVE FUNDING SOURCES

The Township may wish to explore the feasibility of utilizing the one or more of the funding alternatives described below in financing CIP projects:

<u>General Obligation Bonds</u>: Building expansions or new recreational facilities could be funded in this manner. Through this method, the taxing power of the Township is pledged to pay the interest and principal to retire the debt.

<u>Revenue Bonds</u>: These are frequently used to fund sewer or water system projects. These services produce revenues and the bonds are repaid from service charges or fees produced by the respective system.

<u>Lease-Purchase</u>: This is a method whereby a needed facility is constructed by a private interest and the facility is leased back to the local municipality. At the end of the lease period the title to the facility can be conveyed to the municipality without any future payments. The rental over the years will have paid the total original cost plus interest.

<u>Authorities or Special Districts</u>: These are usually created to provide a single service such as utility services or schools. Establishment of such an authority or utility may be considered for storm drains within the Township. Property owners would be billed for use of the storm drains as they are for water and sewer services.

<u>Special Assessment</u>: Public works projects that benefit particular properties can be financed through this method. This method can be used for water, sanitary sewer, road, storm drain, and sidewalk projects.

<u>State and Federal Grants</u>: Although these have become scarce in recent years, the Township should be on the lookout for potential grants to fund non-motorized transportation, parks and recreation, recycling, or utility projects.

Millages: The Township currently has a special millage which funds paramedic services.

TABLE 4-1
2014 - 2019 CAPITAL IMPROVEMENTS PROGRAM GENERAL FUND PROJECT PRIORITIES

PROJECT	DEPT.	2014	2015	2016	2017	2018	2019
ROAD CONST. RESERVE	TRANS.	(A) 315,000	315,000	315,000	315,000	315,000	315,000
STORM DRAINS	ENGR.	(A) 200,000	200,000	200,000	200,000	200,000	200,000
FIRE APPARATUS RESERVE	FIRE (CIP COMM.)	(A) 50,000	50,000	50,000	50,000	50,000	50,000
SIDEWALK CONST. RES.	ENGR.	(A) 75,000	75,000	75,000	75,000	75,000	75,000
NON-MOTORIZED TRANSPORTATION	ENGR.\ PARKS	(A) 100,000	100,000	100,000	100,000	100,000	100,000
ADA COMPLIANT SIDEWALK RAMPS	ENGR.	(A) 50,000	50,000	50,000			
HAWK MEADOW RESTROOM	PARKS & CEM.	(A) 17,500					
ENGINE 4I2 REPLACEMENT	FIRE	(A) 215,000					
RIVER USE ENHANCEMENT	PARKS & CEM.	(B) 35,000	35,000				
YOUTH ATHLETIC FIELD COMPLEX & PARK (MT. HOPE)	PARKS & CEM.	(B) 1,300,000					
UPGRADE DETENTION BASINS	ENGR.	(B) 25,000	25,000	25,000	25,000	25,000	25,000
PARKS &CEMETERY RES.	PARKS & CEM.	(B) 43,000	43,000	43,000	43,000	43,000	43,000
RESURFACE DELTA MILLS TENNIS COURTS	PARKS & CEM.	(B) 11,250					
PLAYERS CLUB DEVELOPMENT	PARKS & CEM.	(C) 500,000					
LEAF PICK-UP	ENGR.	(C) 100,000	100,000	100,000	100,000	100,000	100,000
RENOVATE FIRE STATION NO. 3	FIRE	(C) 35,000	35,000	35,000			
RESURFACE SHARP PARK TENNIS COURTS	PARKS & CEM.				30,000		
GRAND WOODS TENNIS COURTS	PARKS & CEM.				60,000		
NEW SHERIFF'S SUB-STATION	MGR.					4,500,000	
ERICKSON PARK PARKING PAVING	PARKS & CEM.					175,000	
TOTALS		\$3,071,750	\$1,028,000	\$948,000	\$998,000	\$5,583,000	\$908,000

NOTE: The letter in parenthesis which appears above the funding level for each project recommended for funding in 2014 is the CIP Committee's priority classification for that particular project.

2014 GENERAL FUND PROJECT PRIORITIES & DESCRIPTIONS

2014 Project Priority	Project Title & Description	Program Year(s)
A	Road Maintenance/Construction Reserve Fund In 1979 the Township established the Road Maintenance/Construction Reserve Fund. The primary purpose of these reserve monies is to provide local matching funds to federal monies for new road construction as well as to supplement monies spent by the Eaton County Road Commission to repair and maintain Delta Township streets. The specific road improvement projects which will be paid for out of this reserve fund are described in a document entitled the "Delta Charter Township Road Improvement Program", which is an element of the Transportation Chapter of the 2013 Delta Township Comprehensive Plan. The CIP Committee does not establish which particular road projects should receive funds in any particular year. This is the function of the Township Board in conjunction with the applicable County, Regional, State, and Federal road agencies. Since major road projects involve federal funding, there is a degree of uncertainty as to the likelihood of a particular project being funded in a particular year. Funds must be on hand in the reserve fund in order to be ready to match federal funds when they become available for a specific project. The recommended funding level is \$315,000 per year for the six year program period. It should be noted that the "Roads Activity" line item in the Township's adopted Budget document encompasses more than just road construction and maintenance. It also includes the allocations for sidewalk construction & repair, and for non-motorized (e.g., trails, bike paths, etc.) transportation projects. The CIP Committee has chosen to separate these activities in the CIP document so that each category can be evaluated individually.	2014-2019
A	Storm Drain Maintenance/Construction Reserve Fund Many storm drainage districts within Delta Township are in need of reconstruction, improvement or expansion. Development of storm drainage facilities is an expensive process due to land acquisition costs, large pipe sizes, extensive excavation work, and disruption of existing roads and utilities. The need for storm drain improvements and maintenance is a function of growth and development and the age of the system. Future improvements may also be necessary for compliance with Federal mandates to treat stormwater runoff before allowing it to enter lakes, rivers, and streams. The allocations to the reserve fund are used to meet the Township's share of future drain construction and maintenance projects. The recommended funding level for the entire program period is \$200,000 per year	2014-2019

2014 Project Priority	Project Title & Description	Program Year(s)
A	Major Fire Apparatus Reserve Fund Vehicles and equipment utilized by the Fire Department are very expensive and often have a very long useful life. Major fire apparatus meets the definition of a capital improvement described in Chapter 1. The recommended funding level is 50,000 per year for the six year program period.	2014-2019
A	Sidewalk Construction & Maintenance Reserve Fund The Sidewalk Construction and Maintenance Reserves are intended to be utilized for the construction, maintenance and repair of utilitarian sidewalks in those areas where the demand for pedestrian access is currently the greatest. In 1986 the Township Board adopted the Delta Township Sidewalk Plan. This plan identified the most needed sidewalk routes within the Township. The plan was updated in 2003 and in 2010. No specific determination of locational priorities have been made herein, however, a companion document to the updated Sidewalk Plan, the Sidewalk Improvement Program, was drafted for use by the Township Board in setting such priorities. Construction of the sidewalks identified in the Sidewalk Plan and the Improvement Program will provide increased safety for pedestrians, and perhaps provide an alternative means of access and could possibly reduce the number of vehicles on the Township's roadways. It should be noted that in 1996 the Engineering Department conducted a comprehensive inventory of the Township's sidewalk system documenting its condition and identifying those walks in need of repair, barrier-free ramps that needed to be installed, and gaps that needed to be closed. Approximately 25,940 lineal feet of sidewalk was inspected. In 1997, a repair and construction program was commenced to fix broken walks, install ramps, and close gaps in the system. Upon completion of the program in 2002, approximately 340 lineal feet of new walk was installed, and 2,500 lineal feet of walk was repaired. In 2011, the Township's Engineering Division commenced a new inventory of the condition of the existing walks in the Township. A repair program has been initiated that divides the Township into five zones (see map in the Appendix); each having a nearly equal amount of lineal feet of sidewalk. Each year the inspection and repair program will focus on one of the five zones. The intent is to annually rotate among the zones on a continuing basis. As noted above, the	2014-2019

2014 Project	Project Title & Description	Program Year(s)
Priority A	Non-Motorized Transportation (a.k.a. Trail/Pathway System) Development	2014-2019
	This project involves the creation of a Township-wide multi-modal non-motorized pedestrian trail/sidewalk system which includes bike paths, sidewalks, hiking trails, and jogging trails linking neighborhoods, schools, parks, and commercial corridors. The Township hired a consulting firm in 2003 to develop a master plan for the proposed system. The Plan was completed and adopted in 2005, and is in the was updated and made an element of the Township's 2013 Comprehensive Plan. This system is intended to be much broader in scope than the utilitarian sidewalks addressed by the Sidewalk Maintenance/Construction Reserve Fund mentioned above. As noted above, the Township Budget document combines all of the monies allocated in given year for roads, sidewalks, and trails under the "Roads Activity" line item. The recommended funding level for the entire program period is \$100,000 per year.	
A	ADA Compliant Sidewalk Ramps – Zone 1 This program would involve the reconstruction/ repair of the ±300 sidewalk ramps in Zone 1 of the Townships sidewalk repair area. The Americans with Disabilities Act requires that substandard conditions within municipalities be brought into compliance within a reasonable timeframe and develop a plan to do so. This is a proposed three-year program for Zone 1 with a requested funding level of \$50,000 per year from 2014 through 2016	2014-2016
А	Hawk Meadow Park Restroom This project involves the purchase and installation of a vault-type (modern style pit toilet) for Hawk Meadow Park. The project would eliminate the need to rent a "Port-a-John" at the park. The estimate funding level from the General Fund is \$17,500.	2014
В	<u>Upgrade Detention Basins</u> This project involves the reconstruction of existing storm drain detention basins in order to improve storm water quality, and placing all of the basins under the jurisdiction of the Eaton County Drain Commissioner's Office for future maintenance. \$25,000 per year is being recommended for this project.	2014-2019
2014	Project Title & Description	Program
	22	

Project Priority		Year(s)
В	River Use Enhancement – Grand River The project consists of building or improving canoe launch facilities and the promotion of the use the riverfront via clearing and renovating the riverbanks at Delta Mills and Grand Woods parks and other various locations along the Grand River. \$35,000 is being requested each year in 2014 and 2015 for this project.	2014-2015
В	Parks & Cemeteries Improvement Reserve Fund The CIP Committee recommended the establishment of a reserve fund in 1994 in order to save enough money for some of the smaller but necessary parks (e.g., play area improvements) and cemeteries improvements. The reserve fund was established by the Township Board as recommended. \$43,000 per year is recommended for the entire program period.	2014-2019
В	Construct Youth Athletic Fields (Mt. Hope Property) This project involves the construction of soccer fields, ball fields, parking, and restroom facilities in order to conduct all of the Township's youth recreation programs in one location. All of the Township's youth programs currently take place on school property. There is an increasing demand for the programs and they will not be able to be accommodated by the school facilities. An expanded centralized location will accommodate growth and reduce travel time for program administrators and facility maintenance personnel. \$1,300,000 is being requested in 2014 for this project. Volunteer labor and equipment is proposed to be utilized reduce costs, as well as the application for various grants.	2014
В	Resurface Tennis Courts at Delta Mills Park The two existing tennis courts are in need in repair. This project involves the removal, replacement, re-sealing, and relining of the existing asphalt surfaces. This project could possibly be eligible for the State of Michigan's Recreation Passport Grant. \$11,250 is being requested out of the General Fund, with the remaining \$11,250 possible via grant funding, for a total project cost in 2014 of \$22,500.	2014
С	Player's Club Development This project involves the development of the donated 80 acre former Player's Club golf course site into a park emphasizing the Carrier Creek. \$500,000 is being requested in 2014 for this project.	2014

2014 Project Priority	Project Title & Description	Program Year(s)
С	This project involves the collection of leaves and yard waste and disposing of them in a proper manner. Stricter storm drainage regulations are being mandated by the Federal government that may make such a program necessary in order to keep storm drains free of debris. \$100,000 per year is being requested for this project. The CIP Committee recommends that the Township explore partnerships with neighboring communities to share the cost of the equipment necessary to carry out the program.	2014-2019
С	Fire Station No. 3 Renovation This project involves the renovation of Fire Station No. 3. The station was constructed in 1992. The equipment and fixtures are original to the building and are past their expected/efficient life. \$35,000 per year is being requested each year from 2014 through 2016.	2014-2016

2015 - 2019 GENERAL FUND PROJECT DESCRIPTIONS

Project Title & Description	Program Year(s)	
Resurface Tennis Courts at Sharp Park The existing tennis courts are in need in repair. This project involves the removal, replacement, re-sealing, and relining of the existing asphalt surfaces. This project could possibly be eligible for the State of Michigan's Recreation Passport Grant. The Parks Department is requesting a funding level of \$30,000 in 2017.	2017	
Grand Woods Park Tennis Courts Three tennis courts would be constructed at Grand Woods Park. The existing tennis courts at Sharp and Delta Mills Parks are being used to capacity. The additional courts are expected to reduce the amount of time people have to wait to use a court. Again, the consensus among Committee members is that this is a smaller project with substantial benefit to Township residents, which could be funded sooner in lieu of a higher cost project that could not be implemented. The Parks Department is requesting a funding level of \$60,000 in 2017.		
Paving Erickson Park Roads and Parking Areas This project involves paving all of the gravel roads and parking areas within the park. The gravel areas are expensive to maintain and paving will reduce future maintenance costs. \$175,000 is being requested in 2018.	2018	

5 2014 - 2019 SANITARY SEWER FUND **PROJECT DESCRIPTIONS** TOWNSHIP

INTRODUCTION

The Sanitary Sewer Fund is the second separate operational fund of Delta Township. Its revenue is derived from customer billings, new customer connection fees, and special assessments to property owners.

Sanitary sewer projects rely very heavily on current development patterns, citizen petitions for service, and special assessments for implementation. Projects listed for 2014 reflect the current demands for service. Projects in future years reflect the Utility Director's best guesses as to where the demand for service will be. The Board should be prepared to implement projects that, although not in the current year, may become necessary to implement due to an immediate increase in development in a particular area. A listing of the 2014-2019 Sanitary Sewer Fund projects appears in Table 5-1. Descriptions of the projects appear following Table 5-1.

Specific priorities were not given to the various projects in that they are all considered necessary to maintain the required level of service and are implemented on an as needed basis.

TABLE 5-1 2014 - 2019 CAPITAL IMPROVEMENTS PROGRAM SANITARY SEWER FUND PROJECT PRIORITIES

PROJECT	2014	2015	2016	2017	2018	2019	FUTURE
REPLACE SKYWAY LIFT STN.	250,000						
REPLACE BELAIRE HILLS LIFT STN.		350,000					
SAGINAW SEWER MAIN (NIXON RD. TO ONEIDA TWP.)			200,000				
DELTA MILLS SEWERS				1,500,000			
SECTION 9 SEWAGE PUMP STATION							1,500,000
EQUALIZATION (WESTLAND)							500,000
SECTION 1 SEWAGE PUMP STATION							500,000
EQUALIZATION (DELTA MARKET)							1,500,000
ST. JOE HIGHWAY SEWER MAIN							1,700,000
EQUALIZATION (WILLOW LIFT-STATION)							3,000,000
MT. HOPE SEWAGE PUMP STATION							1,700,000
WASTEWATER TREATMENT PLANT EXPANSION							25,000,000
NIXON SEWER MAIN							1,700,000
TOTALS	\$250,000	\$350,000	\$200,000	\$1,500,000	\$0	\$0	\$37,100,000

2014 - 2019 SANITARY SEWER FUND PROJECT DESCRIPTIONS

Project Title & Description	Program Year(s)
Replace Skyway Lift Station This station is at its 20-year design life and may need to be replaced. The projected cost in 2014 is \$250,000.	2014
Replace Belaire Hills Lift Station This station will be at its 20-year design life and may need to be replaced. The projected cost in 2015 is \$350,000.	2015
Saginaw Sewer (Nixon to Oneida Township) Because of failing septic systems, the sanitary sewer should be extended from just west of Nixon Road to the Delta/Oneida Township boundary. The projected cost in 2016 is \$200,000.	2016
<u>Delta Mills Sewer</u> This project would put a pump station and gravity sewers in the Delta Mills area. The projected cost in 2017 is \$1,500,000.	2017

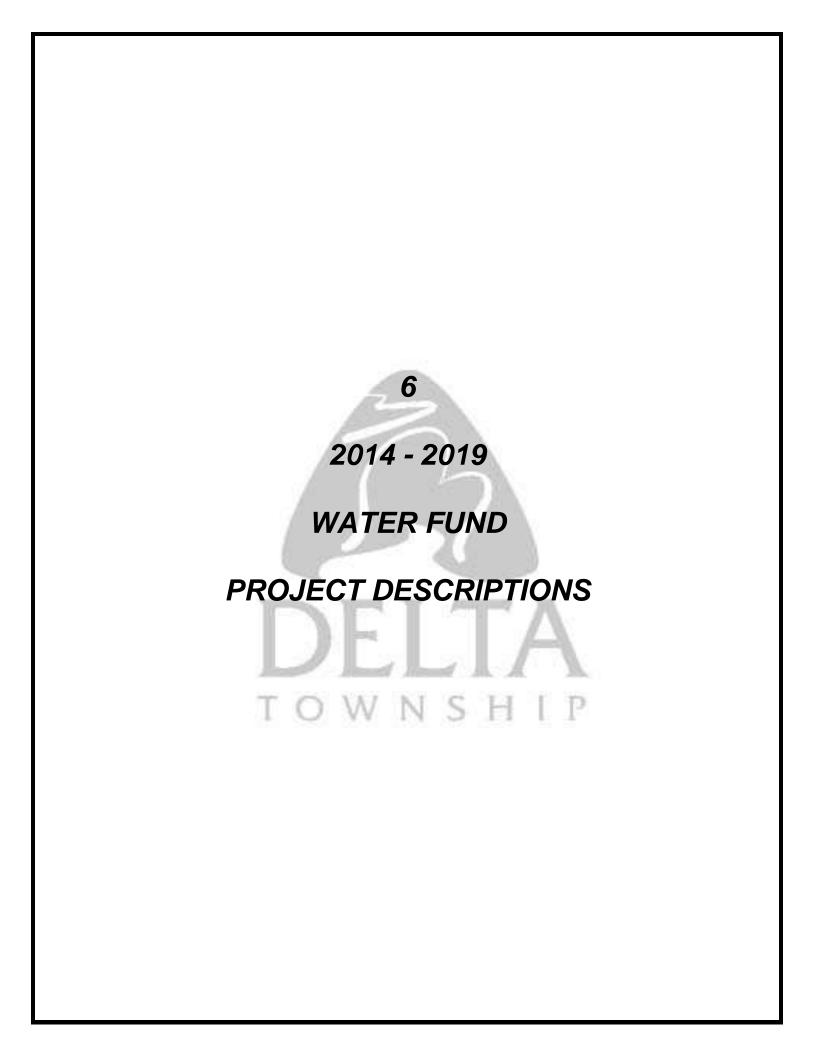
The following is a listing and description of those projects that are not currently expected to fall within the 6 year program period of this CIP, but can be expected in future programs. They are listed here for future reference. Any of these projects may be moved forward in the program as the need dictates.

FUTURE SANITARY SEWER FUND PROJECT DESCRIPTIONS

Project Title & Description	Program Year(s)
Section 9 Sewage Pumping Station This project would construct a new pumping station to handle the development west of I-96 as determined in the review of the long-range sewer plan. Estimated Cost: \$1,500,000.	TBD
Equalization Basin at Westland Park Lift-Station This area in the Township's industrial tract is experiencing rapid growth, which will necessitate equalizing peak flows at the lift station. Estimated Cost: \$500,000.	TBD

Project Title & Description	Program Year(s)
Section 1 Sewage Pumping Station This project would construct a new pumping station in conjunction with the development of homes north of the Grand River, immediately west of Waverly Road. Estimated Cost: \$500,000.	TBD
Equalization Basin at Saginaw Highway (Delta Market Drive) Lift-Station Due to rapid growth west of I-96, this station, located in Section 16 of the Township, is reaching capacity and will have to be expanded or have an equalization basin added to accommodate peak flows. Estimated Cost: \$1,500,000.	TBD
St. Joe Highway Road Sewer A new gravity sewer is needed along St. Joe Highway west of Nixon Road to accommodate growth in this area of the Township. Estimated Cost: \$1,700,000.	TBD

Project Title & Description	Program Year(s)
Equalization Basin at Willow Lift-Station This project would construct a flow-equalization structure west of 1-96 to accommodate peak sewage flows. Wastewater would be stored in the basin during peak flow times and then be pumped to the wastewater treatment plant during off-peak hours. This will insure that wastewater flow to the plant does not exceed capacity. Estimated Cost: \$3,000,000.	TBD
Mt. Hope Sewage Pump Station This pump would consist of a large pump station, force main, and gravity sewers to serve the area on Mt. Hope Highway that is west of I-96. Estimated Cost: \$1,700,000.	TBD
Wastewater Treatment Plant Expansion The treatment plant needs to be expanded to increase its capacity. This is envisioned as a 3-year project, with the first six months devoted to design and the remaining 2½ years devoted to construction. The exact cost will not be known until the design phase is completed. Estimated Cost: \$25,000,000.	TBD
Nixon Road Sewer This project would construct a new sewer on Nixon from St. Joe Highway to the Rockbridge lift station on west Interceptor when completed. This is needed to keep up with the growth in this area. Estimated Cost: \$1,700,000.	TBD



INTRODUCTION

The Water Fund is the third separate operational fund of Delta Township. Like the Sanitary Sewer Fund, revenue is derived from customer billings, new customer connection fees, and special assessments to property owners. The Water Fund is used to maintain and improve water distribution mains and water storage facilities, as well as providing money for annual operating expenditures. All projects recommended for funding from 2014 through 2019 will be paid from the Water Fund. A listing of the 2014-2019 Water Fund projects appears in Table 6-1. Descriptions of the projects appear following Table 6-1.

Specific priorities were not given to the various projects in that they are all considered necessary to maintain the required level of service and are implemented on an as needed basis.

TABLE 6-1 2014- 2019 CAPITAL IMPROVEMENTS PROGRAM WATER FUND PROJECT PRIORITIES

PROJECT	2014	2015	2016	2017	2018	2019	FUTURE
GENERATORS WATER WELLS	50,000						
EXTERIOR RECOATING OF SNOW RD. ELEVATED TANK	148,000						
REPLACE OLD WATER MAINS		125,000	125,000	125,000	125,000	125,000	
EXTERIOR RECOATING OF MILLETT ELEVATED TANK		119,000					
WILLOW HWY. WATER MAIN (BROADBENT TO NIXON)			550,000				
ST. JOE HWY WATER MAINS							415,000
OLD LANSING ROAD TO CREYTS ROAD WATER MAINS							800,000
PURCHASE 5-YARD DUMP TRUCK							70,000
SECTION 1 RIVER CROSSING							450,000
WELL NO. 10 RIVER CROSSING							800,000
NIXON ROAD WATER MAIN (WILLOW – SAGINAW)							560,000
ELEVATED WATER TOWER W. OF I-96							1,500,000
NIXON ROAD WATER MAIN (ST. JOE – MT. HOPE)							560,000
MT. HOPE WATER MAIN (NIXON – GUINEA)							560,000
TOTALS	\$198,000	\$244,000	\$675,000	\$125,000	\$125,000	\$125,000	\$5,211,000

2014 - 2019 WATER FUND PROJECT DESCRIPTIONS

Project Title & Description	Program Year(s)
Generators for Water Wells The power blackout in August 2003 revealed that the Township could be without potable water during such an incident. This left Township residents in a vulnerable position because the Lansing Board of Water & Light could not pump water to the Township during the blackout, nor could the Township operate its backup water wells. This project will install backup power at the wells to cover water production during an emergency. The projected cost is estimated to be \$50,000 in 2014.	2014
Exterior Recoating of Snow Road Elevated Tank This project would provide for the preparation and painting of the exterior of the elevated water tank. The project includes the use of engineering services and repainting the Township logo. The projected cost is estimated to be \$148,000 in 2014.	2014
Replace Old Water Mains As the water system infrastructure ages, the water mains at the east end of Michigan Avenue and St. Joe Highway are deteriorating because of acid soil conditions. This project involves the replacement of these deteriorating mains. The projected cost is estimated to be \$125,000 each year from 2015 through 2019.	2015-2019
Exterior Recoating of Millett Highway Elevated Tank This project would provide for the preparation and painting of the exterior of the elevated water tank. The project includes the use of engineering services and repainting the Township logo. The projected cost is estimated to be \$98,000 in 2015.	2015
Willow Highway Water Main (Broadbent Road to Nixon Road) This project would extend a water main along Willow Highway from Broadbent Road west to Nixon Road. The project cost is estimated to be \$550,000 in 2016.	2016

The following is a listing and description of those projects that are not currently expected to fall within the 6 year program period of this CIP, but can be expected in future programs. They are listed here for future reference. Any of these projects may be moved forward in the program as the need dictates.

FUTURE WATER FUND PROJECT DESCRIPTIONS

Project Title & Description	Program Year(s)
St. Joe Highway Water Mains – Jerryson Road to the West A new water main is needed on St. Joe Highway west of Jerryson Road to accommodate the development occurring in this area of the Township. Estimated Cost: \$415,000	TBD
Old Lansing Road to Creyts Road Water Mains This project involves the construction of water mains from Murel Drive southwest along Old Lansing Road to Lansing Road, then southwest along Lansing Road to Creyts Road. Estimated Cost: \$800,000.	TBD
Purchase 5-Yard Dump Truck The Utilities Department is seeking to fill a gap in its fleet. There is currently a 2 cubic yard truck and 10/12 cubic yard trucks. This mid-sized vehicle will offer better efficiency by not having to run the larger trucks when they are not needed. Estimated Cost: \$70,000.	TBD
Section 1 River Crossing This water main would run east from the entrance of Grand Woods Park on Willow Highway, crossing the Grand River, then turning north and connecting to the Delta River Drive water main immediately west of Waverly Road. Estimated Cost: \$450,000.	TBD
Well No. 10 River Crossing This project would involve constructing a water main from Well No. 10 north, crossing the river to a point on Delta River Drive approximately half-way between Ingersoll Road and Josette Lane. It then will run east on Delta River Drive to the existing water main near White Oaks Drive. Estimated Cost: \$800,000.	TBD

Project Title & Description	Program Year(s)
Nixon Road Water Main (Willow Hwy. to Saginaw Hwy.) This project would construct a water main along Nixon Road from Willow Highway to Saginaw Highway. Estimated Cost: \$560,000.	TBD
Elevated Water Tower West of I-96 This project would provide additional storage for peak flows west of I-96. It would be a one million-gallon water tank that would likely be located west of Nixon Road on St. Joe Highway or Saginaw Highway. Estimated Cost: \$1,500,000	TBD
Nixon Road Water Main (St. Joe Hwy. to Mt. Hope Hwy.) This project would construct a water main along Nixon Road between St. Joe Highway and Mt. Hope Highway. Estimated Cost: \$560,000.	TBD
Mt. Hope Highway Water Main (Nixon to Guinea) This project would construct a water main along Mt. Hope Highway from Nixon Road to Guinea Road. Estimated Cost: \$560,000.	TBD





DELTA TOWNSHIP CAPITAL PROJECTS FUND

The Capital Projects Fund (formerly called the Township Improvement Revolving Fund or TIRF) is the "reserve account" for the general fund. The monies in this fund are the transfers from General Fund to the Capital Projects Fund over a period of years. Reserves have been established for vehicle and equipment replacements for activities in the General Fund. Amounts are annually transferred to the Capital Projects Fund for future vehicle and equipment replacements. When new vehicles or equipment are purchased within an activity (i.e., fire, engineering, or parks), money is then transferred from Capital Projects Fund back to the General Fund to cover those purchases.

According to the Township's 2013 Budget, the estimated December 31, 2013 balance of the Delta Capital Projects Fund will be \$1,916,616. The distribution of money within the fund is estimated to be as follows:

Interest & Facility Reserves

Unallocated Interest	\$ 652,092
Township Hall	\$ 21,000
EDC	\$ 0
Police Building	\$ 600.000

Equipment Reserves:

Assessing	\$ 43,200
Clerk (Equipment)	\$ 60,730
Accounting	\$ 23,900
Township H & G (Equip.)	\$ 16,000
Cemetery	\$ 0
Fire	\$ 266,060
Building	\$ 13,506
Planning	\$ 15,360
Engineering (Veh. & Equip.)	\$ 42,500
Parks & Recreation (Equip.)	\$ 152,269
Parks & Recreation (Projects)	\$ 10,000
Other	\$ 0

Estimated Balance: \$1,916,616

